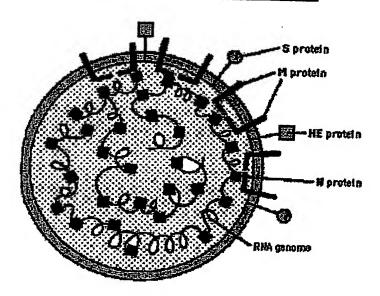
CORONAVIRUS



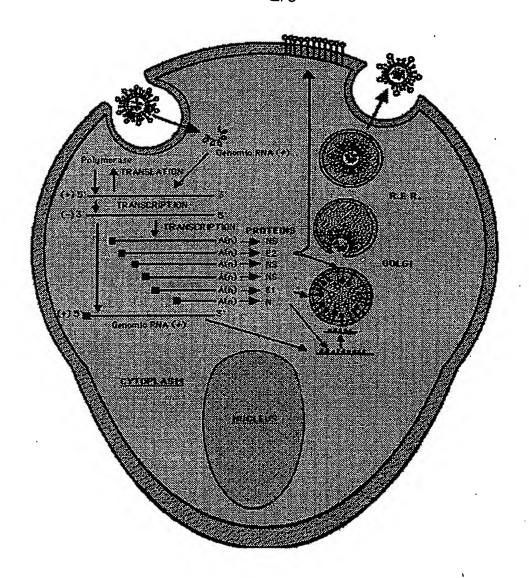


FIG. 2

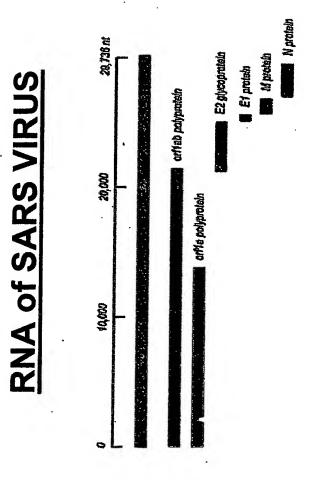


FIG. 3

| * ** ** * | **** | *** | <u> </u> | * * | *** | Spike protein aa 1-1256[Seq#2] |
|-----------|-------------|-----|----------|-------------|-----|-----------------------------------|
| | | | | 1 | | aa 275-1081[Seq#3] |
| | | 11 | | ll aa 3 | | 54-601, aa 754-1031 |
| | | | | ١٧ | | aa 354-1031 |

* Denotes potential glycosylation site

SARs spike protein Pichia expression constructs

N-AVDGS

N-VEY

PPICZaA/SPv8/11

N-VEY

PPICZaA/SPv8/33

PPICZaA/SPv6/33

PPICZaA/SPv7/35

SARs expression constructs verification by restriction digestion

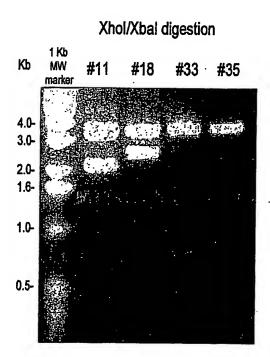
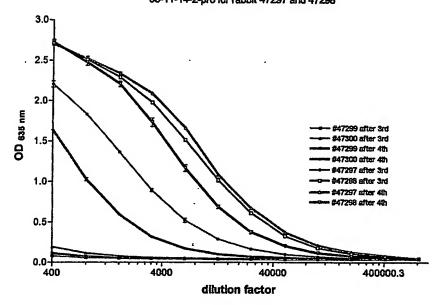


FIG. 6

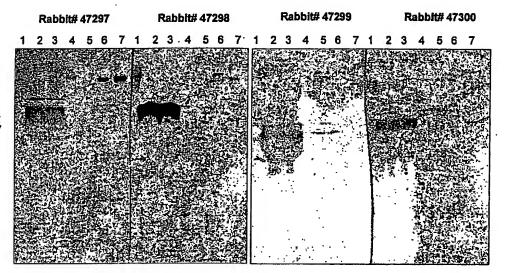
ELISA titers of rabbit serum against SARs spike protein 03-11-14-1-pro for rabbit 47299 and 47300 03-11-14-2-pro for rabbit 47297 and 47298



Peptide sequence to Immunize rabbit #47297 and 47298: QILPDPLKPTKRSFI
Peptide sequence to Immunize rabbit #47299 and 47300: TRNIDATSTGNYNYKY

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Western blot analysis



- 1. Seeblue Plus MW
 2. 20 ut of Complete DMEM+10% FBS control media
 3. 20 ut of Complete DMEM+10% FBS media from HEK283 cell transfected with spike protein
 4. 20 ut of Cpti-MEM media from HEK293 cell transfected with spike protein
 5. 20 ut of Cpti-MEM control media
 6. 1.2 ug of spike protein produced by VRC
 7. 1.1 ug of spike protein produced by PP

FIG. 8